

CLAIMS

1. An organic electroluminescence element comprising an anode and a cathode which are opposite to each other, and a hole injection layer and a luminous layer which are interposed between these anode and cathode, characterized in that the hole injection layer contains an oligomer having a phenylenediamine structure and having a glass transition temperature of 110°C or more, and an intermediate layer for inhibiting a reaction in an interface between the hole injection layer and the anode is formed between the hole injection layer and the anode.

2. The organic electroluminescence element as claimed in claim 1, wherein an ionization potential of said intermediate layer is larger than a work function of said anode and smaller than an ionization potential of the oligomer of said hole injection layer.

3. The organic electroluminescence element as claimed in claim 1, wherein said intermediate layer is formed of an inorganic semiconductor.

4. The organic electroluminescence element as claimed in claim 2, wherein said intermediate layer is formed of an inorganic semiconductor.

5. The organic electroluminescence element as claimed in claim 1 or 2, wherein said intermediate layer is formed of an inorganic insulator.

6. The organic electroluminescence element as claimed in claim 1 or 2, wherein said intermediate layer is formed of a phthalocyanine-based compound.

7. The organic electroluminescence element as claimed in claim 1 or 2, wherein said intermediate layer is formed of a carbon film.